



State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

DEPARTMENT OF TRANSPORTATION

JOHN R. NJORD, P.E.
Executive Director

CARLOS M. BRACERAS, P.E.
Deputy Director

August 27, 2008

West Valley City
3600 Constitution Blvd.
West Valley City, Utah 84119

ATTENTION: Russell Willardson, Public Works Director

SUBJECT: SP-0171(18)6; Salt Lake County
3500 South; Bangerter Hwy. to 2700 West, Phase II
UTAH DEPARTMENT OF TRANSPORTATION
ROCKY MOUNTAIN POWER, a Division of PacifiCorp
UP&L File No. R2-47, Work Order No. 02995457
WEST VALLEY CITY CORPORATION
Authority No. 7812501D PIN 5608

Dear Mr. Willardson:

Attached are ⁴~~six~~ copies of the *revised* proposed agreement between the Utah Department of Transportation, Rocky Mountain Power and West Valley City for the above subject project. The proposed agreement has been revised as requested by Rocky Mountain Power. The revised agreement has been signed by Rocky Mountain Power and is now ready for the City's review and signature.

Please return five signed copies to this office for further processing. A copy of the fully executed agreement will be mailed to you when it is available.

Sincerely,

Handwritten signature of Ramond S. Meldrum in cursive.
Ramond S. Meldrum

UDOT Region Two
Utilities Engineering Coordinator
975-4836

CC: Ben Huot, UDOT Project Manger

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50% REIMBURSEMENT AGREEMENT

WITH WEST VALLEY CITY BETTERMENT

THIS AGREEMENT, made and entered into this ____ day of _____ 2008, by and between the **UTAH DEPARTMENT OF TRANSPORTATION**, hereinafter referred to as "**UDOT**" and **ROCKY MOUNTAIN POWER**, a Division of PacifiCorp, a Registered Corporation in the State of Oregon, hereinafter referred to as the "**Company**", and **WEST VALLEY CITY CORPORATION**, a Municipal Corporation in the State of Utah, hereinafter referred to as the "**City**",

WITNESSETH:

WHEREAS, **UDOT** has prepared plans, specifications and estimates of costs for the construction of the highway project identified as SP-0171(18)6; 3500 South, Bangerter Highway to 2700 West, Phase II, in Salt Lake County, Utah, hereinafter referred to as the Project. The Project necessitates work consisting of relocating/adjusting the **Company's** facilities; and

WHEREAS, in accordance with Utah Code Annotated 1953, as amended effective July 1, 2000, 72-6-116. Regulation of Utilities - Relocation of Utilities, (3) (a) (ii), **UDOT** will reimburse the **Company** 50% of the cost of relocation of their facilities located on the state highway and the **Company** shall pay the remainder of the cost of relocation; and

WHEREAS, in accordance with 23 CODE OF FEDERAL REGULATIONS, Part 645, Subpart A, Utility Relocation, Adjustments and Reimbursement, the **Company** has determined, with the concurrence of **UDOT**, that accrued depreciation credit is not required as a result of said work; and

WHEREAS, the **City** desires to include a betterment with said work consisting of placing the presently overhead power facilities underground; and

WHEREAS, **UDOT** and the **Company** are agreeable to said betterment providing the difference in costs between the minimum construction required and the **City's** desired construction is at the **City's** expense as shown in the cost estimates included herein; and

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WHEREAS, pursuant to Federal Highway Administration's requirements as contained in 23 CODE OF FEDERAL REGULATIONS, Part 645, Subpart B, Accommodation of Utilities, **UDOT** approved traffic control devices shall conform to the standards set forth in the "Manual on Uniform Traffic Control Devices" and 23 CODE OF FEDERAL REGULATIONS, Part 630, Subpart J, "Traffic Safety in Highway and Street Work Zones". All flagging personnel shall be certified.

THIS AGREEMENT is made to set out the terms and conditions where under said work shall be performed.

NOW THEREFORE, it is agreed by and between the parties hereto as follows:

(1). The **Company** will notify **UDOT's** Project Engineer assigned to this project at least twenty-four (24) hours in advance of beginning any work covered herein on a day to day basis. Said notification can be informal. It is hereby acknowledged by the parties hereto that, when the **Company** experiences emergency work of its own during work on the highway project, it will take care of said emergency, after which it will again informally notify said Project Engineer's office as to when work will be resumed on said highway project. Failure on the part of the **Company** to give proper notification to **UDOT's** Project Engineer's office will result in **UDOT's** disallowance of reimbursement for that portion of the **Company's** work performed while not under the surveillance of **UDOT's** Project Engineer or his authorized representative.

(2). The **Company**, with its regular engineering and construction forces at its standard schedule of wages and working hours, or through qualified contractors with whom it has obtained contracts upon appropriate solicitation in accordance with 23 CODE OF FEDERAL REGULATIONS, Part 645, Subpart A, Utility Relocations, Adjustments and Reimbursement, shall perform the necessary field and office engineering, furnish all materials, and perform the construction work covered herein. In the performance of said work the **Company** will adhere to the procedures and specifications contained in **UDOT's** "MANUAL FOR THE ACCOMMODATION OF UTILITIES AND THE CONTROL AND PROTECTION OF STATE HIGHWAY RIGHTS OF WAY", a copy of which has been furnished to the **Company** and any supplements or amendments thereto. The **Company** shall not perform any construction until authorized in writing by **UDOT**.

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(3). **UDOT**, through its Project Engineer, will keep daily record of the work performed by the **Company**, such daily record to be in duplicate on a form to be prepared by the **Company** and/or **UDOT**. The type of form to be used shall be approved by **UDOT's** Contracts, Estimates and Agreements Office. Said daily record shall be signed by **UDOT's** Project Engineer and **Company's** authorized representatives in the space provided for on said record form. Copy of said record form shall be retained by all parties to this agreement. When emergencies occur, requiring the **Company's** work forces to leave the job, said record keeping shall be resumed upon return to the highway project.

(4). An estimate of cost of the required work including the **City's** desired betterment work was furnished by the **Company** to **UDOT** under date of September 7, 2007, in the amount of \$953,618.00. The estimate is based upon the prices of materials and labor current as of the date of said estimate. The estimate does not account for increases due to unknown and unforeseen hardships in accomplishing the work. An estimate for the betterment work (overhead to underground) is marked EXHIBIT A, attached hereto and thereby made a part hereof. An estimate for the minimum work required (overhead to overhead is marked EXHIBIT B, attached hereto and thereby made a part hereof. A summary of the details of the estimated participation ratios is marked EXHIBIT C, attached hereto and thereby made a part hereof.

Participation Ratios:

<u>UDOT</u>		<u>Company</u>		<u>City</u>	
\$251,359.00		\$251,359.00		\$450,901.00	
	= 26.36%		= 26.36%		= 47.28%
<u>\$953,618.00</u>		<u>\$953,618.00</u>		<u>\$953,618.00</u>	

TOTAL ESTIMATED COST TO UDOT IS \$251,359.00

TOTAL ESTIMATED COST TO THE COMPANY IS \$251,359.00

TOTAL ESTIMATED COST TO THE CITY IS \$450,901.00,

NOTE: The parties hereto shall participate in the cost of the work contained herein according the aforementioned participation ratios.

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(5). All materials recovered from the existing facilities shall be credited to the cost of the project in accordance with 23 CODE OF FEDERAL REGULATIONS, Part 645, Subpart A, Sec. 645.117, Cost Developments and Reimbursement.

(6). In the event there are changes in the scope of the work, extra work, or changes in the planned work covered by this agreement, a modification to this agreement approved in writing by the parties hereto is required prior to the start of work on said changes or additions.

(7). The **Company**, while engaged in the relocation of their facilities, shall comply with **UDOT's** 2008 Standard Specifications for Road and Bridge Construction.

(8). With respect to work performed by contract, the **Company** shall not discriminate in its choice of contractors and shall adhere to the provisions contained in Section II of the Federal Highway Administration's Form PR 1273, a copy of which has been furnished to the **Company**.

(9). **Company** is required to mark all underground facilities with approved markers and to keep on file "as constructed plans" of all their work covered herein for future reference.

(10). The **Company**, when installing any poles, is required to maintain a minimum of 0.5 meters (20 inches) between final location of barrier type curb face and pole face or pole foundation when foundations are used. Where mountable type curbs are used or curbs are not present, clear zone requirements will be met.

(11). Any of **UDOT's** survey control stakes or bench markers which are removed or damaged by **Company** shall be reestablished by **UDOT** at **Company's** expense.

(12). The **Company** shall submit itemized bills for performing the work covered herein bearing the project number together with supporting sheets within one (1) year following completion of the work by the **Company** on **UDOT's** project to: **UDOT's** Contracts, Estimates and Agreements Manager, 4501 South 2700 West, Box 148220, Salt Lake City, Utah 84114-8220. **UDOT** will reimburse the **Company** within sixty (60) days after receipt of said billings. Failure on the part of the **Company** to submit said billings within said one (1) year time limit will result in **UDOT's** disallowance of that portion of work performed by the **Company**. Any work performed without proper notification to **UDOT's** Project Engineer's office shall be cited to the **Company** and deducted from the reimbursement.

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(13). Upon execution of this agreement by the parties hereto, the City will deposit with UDOT's Comptroller's Office, 4501 South 2700 West, Box 141500, Salt Lake City Utah 84119-1500, the amount of Four Hundred and Fifty Thousand, Nine Hundred and One Dollars (\$450,901.00). The final amount of the City's participation shall be determined shall be based upon actual costs incurred and will be determined upon completion of the Project.

(14). If **Company's** actual costs incurred for their force account work differs more than 10% plus or minus per line item from amount contained herein then **Company** is required to submit a letter of explanation with their billings indicating why and how said difference in costs occurred. **Company** is required to match their billings of completed work with their detailed estimates contained herein.

(15). Reimbursable costs for work performed under the provisions of this agreement shall be developed in accordance with 23 CODE OF FEDERAL REGULATIONS, Part 645, Subpart A. See 645.113 and 645.117.

(16). UDOT and/or the Federal Highway Administration shall have the right to audit all cost records and accounts of the **Company** pertaining to this project in accordance with the auditing procedure of the Federal Highway Administration and 23 CODE OF FEDERAL REGULATIONS, Part 645, Subpart A, Utility Relocations, Adjustments and Reimbursement. Should this audit disclose that the **Company** has been underpaid, the **Company** will be reimbursed by UDOT upon submission of additional billing to cover the underpayment. Should this audit disclose that the **Company** has been overpaid, the **Company** will reimburse UDOT in the amount of the overpayment. For purpose of audit the **Company** is required to keep and maintain its records of work covered herein for a minimum of three (3) years after final payment is received by the **Company** from UDOT.

(17). It is understood that access for maintenance and servicing of **Company's** property located on the right of way of said project will be permitted only by permit issued by the owner of said right of way to the **Company**, and that the **Company** will obtain said permit and abide by conditions thereof for policing and other controls in conformance with UDOT's "MANUAL FOR THE ACCOMMODATION OF UTILITIES AND THE CONTROL AND PROTECTION OF STATE HIGHWAY RIGHTS OF WAY", a copy of which has been furnished to the **Company** and any supplements or amendments thereto.

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IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by its duly authorized officers as of the day and year first above written.

STATE OF UTAH)

COUNTY OF Salt Lake)

ROCKY MOUNTAIN POWER,

A Division of PacifiCorp, a
Registered Company in the State
of Oregon

Subscribed and sworn to before
me this 17 th day of August, 2008

Notary Public Amy Shingleton
Residing in SLC, Utah
Commission Expires 2-15-2011
Date: 8-17-08

By *Paul Rademacher*
Title Vice President, Operations,
Rocky Mountain Power

Date: 8-17-08



ATTEST:

Title _____
Date: _____

WEST VALLEY CITY CORPORATION,
A Municipal Corporation of the State
of Utah.

By _____

Title _____
Date: _____

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RECOMMENDED FOR APPROVAL: UTAH DEPARTMENT OF TRANSPORTATION

By Raymond S. McHenry
Region Utilities and Railroads
Engineering Coordinator

Date: 8/25/08

By _____
Region Director

Date: _____

APPROVED AS TO FORM:

The Utah State Attorney General's
Office has previously approved all
paragraphs in this Agreement as to
form.

By _____
UDOT Comptroller Office
Contract Administrator

Date: _____

PACIFICORP

 ROCKY MOUNTAIN POWER DISTRIBUTION DETAILED
 ESTIMATE OF COST

Rocky Mountain Power File No.R2-47

Undergrond

4-Sep-07

Work Order No.02995457

REMOVE OVERHEAD FACILITIES FROM 2700 W TO 3690 W. THIS INCLUDES 52 WOOD POLES WITH ASSOCIATED HARDWARE AND CONDUCTOR. INSTALL 12-45' WOOD POLES, 7-PMH9 AND 2 PMH10 SWITCHGEAR, 9-25KVA, 1-50KVA 1PH PADMOUNT TRANSFORMERS, 5-75KVA, 2-150 KVA, 1-225KVA, 1-300KVA 208V 3PH TRANSFORMERS, 4-25KVA & 2-50KVA POLEMOUNT TRANSFORMERS, 11-3PH GROUNDSLEEVES, 7,600' 1#2 PRIMARY, 300' 3#4/0 PRIMARY, 10,300' 3#1000AL PRIMARY, 5,750' 3#2 PRIMARY

THIS ESTIMATE DOES NOT INCLUDE THE COST TO TRENCHING AND BACKFILL, CONDUIT AND SERVICE CONNECTIONS.

MATERIAL	STOCK NO.	QUANTITY	UNIT	UNIT COST	TOTAL COST
BRACKET, MTG, UG, TERM, 0.75" - 3"	1002438	84 EA		15.14	\$ 1,271.76
CONN, STIRRUP, BLTD, 336-795AL/ACSR, 1/0SO	1003319	2 EA		22.62	\$ 45.24
CONN, SF, 4/0AAC/AAAC/ACSR/CU, 1/0AWAC	1004501	6 EA		2.05	\$ 12.30
TIE, SPOOL, EZ-WRAP, 2ACSR/AAAC & 2-4/2AW	1005077	2 EA		1.19	\$ 2.38
TIE, SPOOL, EZ-WRAP, 4/0AAC/ACSR/AAAC-250	1005081	1 EA		1.67	\$ 1.67
PEDESTAL, SEC, ABOVE GRADE, 2PIECE, POLY	1006441	3 EA		51.25	\$ 153.75
PAD, BOX, XFMR, 1PH, 20" FBRGL, 25-167KVA	1006632	10 EA		134.66	\$ 1,346.60
SWITCHGEAR, PAD, AIR, 14.4KV, TYPE 9, SML-2	1006795	7 EA		8,150.09	\$ 57,050.63
SWITCHGEAR, PAD, AIR, 14.4KV, TYPE 11, SML-	1006796	2 EA		10,000.00	\$ 20,000.00
CABLE, UG, 600V, 1/0, AL, 4PLX, NOTRE DAME	1040182	1 FT		0.85	\$ 0.85
CABLE, OVHD, 1/0, AL, 3PLX, MUREX	1050140	209 FT		0.47	\$ 98.11
CABLE, OVHD, 4/0, AL, 3PLX, CERAPUS	1050144	31 FT		1.06	\$ 32.76
CABLE, OVHD, 1/0, AL, 4PLX, CRIOLLO	1050170	52 FT		0.73	\$ 38.07
CABLE, OVHD, 4/0, AL, 4PLX, OLDENBURG	1050180	52 FT		1.66	\$ 86.10
CABLE, UG, 600V, 4/0, CU, SINGLE	1100079	31 FT		3.58	\$ 110.88
CABLE, UG, 600V, 500, CU, SINGLE	1100085	31 FT		6.97	\$ 216.09
CONDUCTOR, CU, 500MCM, 37STR, BARE, SOFT DW	1130194	156 FT		4.02	\$ 626.87
LUG, TERM, 2-HOLE, LEAD, 397/477/500AAC, CO	1300206	18 EA		3.32	\$ 59.76
CLAMP, WG, RGD BAIL, 4-1/0ACSR-2-2/0AAC	1300411	2 EA		1.44	\$ 2.88
CLAMP, WG, RGD BAIL, 2/0-4/0ACSR-2/0-4/0A	1300412	2 EA		1.69	\$ 3.38
CONN, STIRRUP, BLTD, 4-250AL/ACSR, 1/0SOL	1300812	4 EA		11.33	\$ 45.32
CLAMP, BLTD, DE, AL, 397.5 -795, SIDE OPENI	1300963	18 EA		15.99	\$ 287.82
CONN, SF, 250AAC, 4/0AAC/ACSR/CU-250AAC	1310124	2 EA		3.40	\$ 6.80
CONN, SF, 556/500/477AAC-397ACSR, #6 CU	1310125	1 EA		12.49	\$ 12.49
CONN, SF, 4/0AAC/AAAC/ACSR-3/0ACSR, #6CU	1310190	1 EA		2.23	\$ 2.23
CONN, SF, 4/0AAC/AAAC/ACSR-3/0ACSR, 2ACS	1310199	2 EA		1.98	\$ 3.96
CONN, STIRRUP, 2 BOLTS, #6-2/0, #2SOL CU	1340760	23 EA		24.33	\$ 559.59
CONN, TERM, EYEBOLT, 1/0SOL-500STR CU, 1HP	1360404	12 EA		5.01	\$ 60.12
BRACKET, MTG, 3PH, 72"L, 2"DIA, CUTOUTS &AR	1520218	14 EA		134.17	\$ 1,878.38
BRACKET, MTG, 1PH, 18" L, FOR CUTOUTS & AR	1520270	6 EA		26.67	\$ 160.02
CLIP, GROUND, #4 SOLID COPPER	1530298	342 EA		0.18	\$ 61.56
NUT, WASHER, 5/8", STD THD, RESISTANCE WEL	1570213	4 EA		1.04	\$ 4.16
ROD, GRD, 5/8"X10', COPPERWELD/BONDED CU	1580214	57 EA		10.05	\$ 572.85
POLE, WOOD, 35', FT, CLASS 3, DISTRIBUTION	1614353	1 EA		363.55	\$ 363.55
POLE, WOOD, 45 FT, CLASS 2, DISTRIBUTION	1614452	3 EA		630.62	\$ 1,891.86

Exhibit A

POLE, WOOD, 45 FT, CLASS 3, DISTRIBUTION	1614453	9 EA	609.71	\$	5,487.39
BRACKET, CONDUIT, EXTENSION ASSEMBLY, 12"	1700250	93 EA	17.45	\$	1,622.85
CLAMP, CND, 2", BOLT MTG, W/BOLTS & NUTS	1705209	25 EA	2.47	\$	61.75
CLAMP, CND, 3", BOLT MTG, W/BOLTS & NUTS	1705308	25 EA	2.69	\$	67.25
CLAMP, CND, 4", BOLT MTG, W/BOLTS & NUTS	1705407	25 EA	2.93	\$	73.25
CLAMP, CND, 6", BOLT MTG, W/BOLTS & NUTS	1705605	18 EA	4.14	\$	74.52
PAD, BOX, SECT CABINET, 3PH, 15 KV	1720625	11 EA	228.80	\$	2,516.80
TERMINATOR, UG, COLD, 15KV, 750-1000KCM, 17	1740274	84 EA	67.31	\$	5,654.04
SPLICE, UG, HEAT, 15KV, 2-2/0 TO 2-2/0, 220	1740551	22 EA	85.75	\$	1,886.50
SPLICE, UG, HEAT, 15KV, 4/0-400 TO 4/0-400	1740555	3 EA	136.77	\$	410.31
LUG, TERM, 2-HOLE, LEAD, 1000 AAC, COMP	1740636	102 EA	7.16	\$	730.32
CONN, UG, XFMR, 4 POSITION, DEAD FRONT	1740704	30 EA	13.83	\$	414.90
SPLICE, UG, 600V, 6-350, DBL SET SCREW, 4"	1740750	18 EA	5.08	\$	91.44
PAD, BOX, SWITCHGEAR, 15 KV, AIR INSULATED	1750531	9 EA	494.52	\$	4,450.68
ARM, MAST, ST LT, 30" SPAN, 15" RISE, 2" DIA	1840137	2 EA	44.31	\$	88.62
PLATE, GROUNDING, CU, 288 SQ INCHES	1870270	8 EA	36.31	\$	290.48
IND, FAULT, ELB MTG, TEST PT, SHLD, 300A	1950307	87 EA	79.17	\$	6,887.79
BUS, INSUL, SEC, SUBMERSIBLE, 4 POSN, 1000A	1950524	9 EA	19.39	\$	174.51
BRACE, XARM, FLATWOOD, 26"L, 38"SPRD, 18"DR	3103603	24 PAA	6.00	\$	144.00
BRACE, XARM, HD, WOOD, 35"L, 60"SPRD, 18"DRO	3104106	10 PAA	12.73	\$	127.30
BRACE, XARM, HD, WOOD, 42"L, 72"SPRD, 22"DRO	3104809	4 PAA	17.13	\$	68.52
XARM, WOOD, 3-3/4" X 4-3/4" X 8'-0"	3108808	19 EA	26.92	\$	511.48
XARM, WOOD, 5-3/4" X 5-3/4" X 8'-0"	3108816	10 EA	57.04	\$	570.40
XARM, WOOD, 3-3/4" X 5-3/4" X 10'-0"	3108824	6 EA	40.01	\$	240.06
XARM, WOOD, 5-3/4" X 5-3/4" X 10'-0"	3108828	4 EA	68.36	\$	273.44
SWITCH, DISC, HANGING TAP, 25KV, 600A	3120203	18 EA	206.39	\$	3,715.02
CONDUCTOR, CU, #6, SOL, INSUL, SOFT DRAWN, 5	4121000	126 FT	0.22	\$	27.77
CABLE, UG, 15KV, #2 AL, SOL, 175 MIL, 5000'	4200012	24921 FT	1.20	\$	29,918.70
CABLE, UG, 15KV, 4/0 AL STR, 175 MIL	4200014	976 FT	1.70	\$	1,660.05
CABLE, UG, 15KV, 1000, AL, COMP, 175 EPR	4200016	31185 FT	5.22	\$	162,785.70
CABLE, UG, 600V, #6, AL, 2PLX, STR LT, CLAF LI	4213013	220 FT	0.21	\$	46.50
CABLE, UG, 600V, 4/0, AL, 3PLX, SWEETBRIAR	4220000	498 FT	1.32	\$	658.35
CABLE, UG, 600V, 350, AL, 3PLX, WESLEY	4220208	365 FT	2.34	\$	852.60
XFMR, POLE, 25, 7.2, 120/240, NT, ARR	4410102	4 EA	793.44	\$	3,173.76
XFMR, POLE, 50, 7.2, 120/240, NT, ARR	4500140	2 EA	1,112.43	\$	2,224.86
WIRE, TIE, #4, AL, SOLID, SOFT DRAWN	4503405	27 FT	0.06	\$	1.52
CONDUCTOR, AAC, 4/0, 7STR, OXLIP	4504908	168 FT	0.22	\$	37.29
CONDUCTOR, AAC, 477KCMIL, 19STR, COSMOS	4505077	504 FT	0.59	\$	299.17
CONDUCTOR, AAAC, #2, 7 STRAND, BARE, AMES	4506507	126 FT	0.10	\$	12.43
CONDUCTOR, WIRE, #6, SOFT DRAWN SOLID, BAR	4518007	1223 FT	0.10	\$	117.59
CONDUCTOR, CU, 1/0, 7STR, BARE, SOFT DRAWN	4519005	8577 FT	1.42	\$	12,181.50
CONDUCTOR, CU, #10, SOL, THWN-THHN, BLACK	4532016	20 FT	0.06	\$	1.13
CONDUCTOR, CU, #10, SOL, THWN-THHN, WHITE	4532073	20 FT	0.06	\$	1.18
XFMR, PAD, 1PH, 25, 7.2, 240/120, NT	4600002	9 EA	1,440.73	\$	12,966.57
XFMR, PAD, 1PH, 50, 7.2, 240/120, NT	4600004	1 EA	1,926.51	\$	1,926.51
ADAPTER, TERM, XFMR, 4HOLE PAD, 3/4" ROD	4600151	3 EA	14.11	\$	42.33
CONN, SF, 556/500/477AAC-397ACSR, 2AAAC	4601019	6 EA	12.59	\$	75.54
CLAMP, HOTLINE, #8SOL-2/0STR, #8-2/0 CU	4601902	29 EA	5.80	\$	168.20
CONN, VISE TYPE, CU, #2-3STR, BLTD, 0.320 D	4623807	720 EA	2.05	\$	1,476.00
CONN, H-TAP, 0.162-0.332, 0.162-0.332, COM	4626008	14 EA	0.27	\$	3.79
CONN, H-TAP, 0.268-0.398, 0.162-0.332, COM	4626107	4 EA	0.21	\$	0.82
CONN, H-TAP, 0.398-0.470, 0.162-0.332, COM	4626404	1 EA	0.35	\$	0.35
CONN, H-TAP, 0.362-0.470, 0.362-0.470, COM	4626503	12 EA	0.37	\$	4.43

Exhibit A

CONN, H-TAP, 0.464-0.563, 0.338-0.447, COM	4626800	6 EA	0.36 \$	2.16
CONN, H-TAP, 0.522-0.815, 0.162-0.447, COM	4627204	9 EA	1.23 \$	11.07
CONN, ST LIGHT, #6SOL-#2STR, #14SOL-#8STR	4629200	4 EA	0.15 \$	0.61
SPLICE, NONTNSN, NONINSUL, COMP, 4STR, 4STR	4631503	22 EA	0.17 \$	3.73
SPLICE, NONTNSN, NONINSUL, COMP, 4/0STR, 4/	4633301	3 EA	1.03 \$	3.09
CONN, C-TAP, CU, #6SOL-#4STR, #6SOL/STR, CO	4634903	47 EA	1.75 \$	82.25
CONN, C-TAP, CU, #2SOL/STR, #8SOL-#4STR, CO	4635108	18 EA	0.55 \$	9.93
CONN, C-TAP, CU, 1/0-2/0, #2STR-#8SOL, COMP	4635405	43 EA	2.15 \$	92.45
CONN, C-TAP, CU, 1/0-2/0, 1/0-2/0, COMP	4635504	18 EA	2.55 \$	45.90
CONN, SF, 4/0AAC/AAAC/ACSR-3/0ACSR	4644803	2 EA	2.05 \$	4.10
CONN, SF, 556/500/477AAC-397ACSR, SAME	4645206	60 EA	12.76 \$	765.60
CONDUCTOR, CU, #2, 7STR, BARE, SOFT DRAWN	4657689	2598 FT	1.01 \$	2,623.98
CLAMP, DE, AUTO GRIP, #6 SOL CU	4661005	21 EA	5.39 \$	113.19
CLAMP, DE, AUTO GRIP, #2 ACSR/AAAC	4662409	18 EA	7.28 \$	131.04
CLAMP, DE, AUTO GRIP, 250 AAC & 4/0ACSR	4662805	6 EA	14.08 \$	84.48
TERMINAL, COMP, RING TNG, 6CU, 5/8" STUD, 1	4679254	18 EA	0.35 \$	6.35
XFMR, PAD, 3PH, 75, 7.2, 208, LOOP, NT	4700210	5 EA	5,234.46 \$	26,172.30
XFMR, PAD, 3PH, 150, 7.2, 208, LOOP, NT	4700212	2 EA	6,271.21 \$	12,542.42
XFMR, PAD, 3PH, 225, 7.2, 208, LOOP, NT	4700213	1 EA	6,709.70 \$	6,709.70
XFMR, PAD, 3PH, 300, 7.2, 208, LOOP, NT	4700214	1 EA	7,709.25 \$	7,709.25
TIE, CBL, 15"L, BUNDLING COND, NYLON, INDOO	4900106	320 EA	0.17 \$	55.02
TIE, TOP, SGL SPRT, F-NECK, 397.5ACSR	4900296	3 EA	2.74 \$	8.22
CARTRIDGE, SHELL FIRED, BLUE	4907101	13 EA	1.34 \$	17.42
CARTRIDGE, SHELL FIRED, YELLOW	4907200	67 EA	1.36 \$	91.12
TIE, CBL, 14.75"L, BUNDLING, BLACK NYLON, O	4954608	232 EA	0.17 \$	39.62
TIE, TOP, SGL SPRT, F-NECK, 2ASCR/AAAC, 2-4	4972907	6 EA	2.08 \$	12.48
NAIL, GALV, 10-D, BOX NAILS, IN 1 LB CARTO	5000102	1 LB	1.71 \$	1.71
NAIL, COPPERWELD, 10-D, IN 1 LB BOXES	5000202	1 LB	31.24 \$	31.24
SEALANT, FOAM, SPRAY, 12 OZ, AEROSAL CAN	5300050	6 EA	9.09 \$	54.54
LOCK, DISPOSABLE, EQUIPMENT	5460103	14 EA	0.72 \$	10.08
ARRESTER, SRG, 10KV, OVHD, MOV	5500087	1 EA	22.72 \$	22.72
ARRESTER, SRG, 10KV, RISER POLE, MOV	5500138	40 EA	32.26 \$	1,290.40
BRACKET, HANGER, XARM, ARRESTER, 6" BOLTS	5500201	1 EA	6.14 \$	6.14
CUTOUT, NON-LDBRK, 15KV, 100A, 110KVBIL, UN	5608401	29 EA	53.87 \$	1,562.23
FUSE, LINK, 23", 6T AMP, UNIVERSAL	5730304	1 EA	3.18 \$	3.18
FUSE, LINK, 23", 8T AMP, UNIVERSAL	5730403	3 EA	2.83 \$	8.49
FUSE, LINK, 23", 10T AMP, UNIVERSAL	5730502	2 EA	3.29 \$	6.58
INSUL, PIN, 15KV, F-NECK, ANSI CL 55-4, 1"P	5804406	17 EA	3.42 \$	58.14
INSULATOR, SPOOL, PORC, GRAY, 3000LB	5825807	4 EA	1.06 \$	4.24
INSUL, SUSP, POLY, 15/25KV, 17", 15000LBS	5840251	46 EA	12.54 \$	576.84
ANCHOR, DISK, 20" DIA, 3/16" THICK, 296SQ	6100069	13 EA	38.08 \$	495.04
CLAMP, GRD ROD, 5/8", CU CLAD GROUND	6113807	68 EA	1.54 \$	104.72
CONN, GRD, BRZ, XFMR, #8 SOL-#2 STR	6117709	112 EA	1.83 \$	204.96
GRIP, GUY, DE, 7/16", 7STR, UTILITY GRD, GRE	6126601	66 EA	2.63 \$	173.58
GUY, DE, AUTO, STRANDWISE, 7/16" UG/AW, SB	6128607	22 EA	20.50 \$	451.00
MARKER, GUY, PLSTC, 8', YELLOW, 1/4"-1/2" G	6129704	22 EA	2.55 \$	56.10
HOOK, GUY, 2-HOLE, HEAVY DUTY, 2-3/4" BOLT	6131742	22 EA	4.18 \$	91.96
MOLDING, GRD, 1/2" X 3/16" X 8', PLSTC, #6	6137806	8 EA	1.37 \$	10.96
ROD, ANCHOR, 1"X7', DISK, CORROSION RESIST	6144523	13 EA	47.17 \$	613.21
ROD, GRD, 5/8" X 8', COPPERWELD/BONDED CU	6146906	11 EA	8.38 \$	92.18
WIRE, GUY, 7/16", UG, 18000LB, 250' COIL	6155402	1100 FT	0.32 \$	346.63
WASHER, RND, FLAT, 15/16", 5/16"HOLE, 1/4"B	6200059	198 EA	1.57 \$	310.86
WASHER, BELV, 1/2", 9/16"HOLE, GALV	6200273	36 EA	0.24 \$	8.58

BOLT, MACHINE, 3/8" X 5", W/SQUARE NUT	6206700	50 EA	0.37 \$	18.56
BOLT, MACH, 1/2" X 8", XARM, GALV	6208508	28 EA	0.56 \$	15.60
BOLT, MACH, 5/8" X 12", XARM, GALV	6211106	78 EA	1.00 \$	78.00
BOLT, MACH, 5/8" X 14", XARM, GALV	6211205	57 EA	0.66 \$	37.40
BOLT, MACH, 5/8" X 16", XARM, GALV	6211304	20 EA	1.70 \$	34.00
BOLT, MACH, 3/4" X 12", XARM, GALV	6214209	4 EA	1.65 \$	6.60
BOLT, MACH, 3/4" X 14", XARM, GALV	6214308	46 EA	1.79 \$	82.34
BOLT, MACH, 3/4" X 16", XARM, GALV	6214407	6 EA	1.97 \$	11.82
BOLT, DOUBLE ARM, 5/8" X 14", W/4 NUTS, GA	6221105	27 EA	1.56 \$	42.12
BOLT, DOUBLE ARM, 5/8" X 16", W/4 NUTS, GA	6221204	1 EA	1.47 \$	1.47
BOLT, DOUBLE ARM, 5/8" X 22", W/4 NUTS, GA	6221501	21 EA	2.10 \$	44.10
BOLT, DOUBLE ARM, 3/4" X 26", W/4 NUTS, GA	6223705	4 EA	3.65 \$	14.60
BOLT, DOUBLE ARM, 3/4" X 28", W/4 NUTS, GA	6223804	21 EA	4.82 \$	101.22
BOLT, HEX, 1/2" X 1", ASSEMBLY, GALV	6224980	36 EA	0.71 \$	25.68
BOLT ASSY, OVAL EYE, 5/8"X12", W/SQ NUT, G	6241806	4 EA	2.48 \$	9.92
BOLT, DOUBLE UPSET, 5/8" X 12", ASSY, 1 NU	6253140	4 EA	3.85 \$	15.40
NUT, LOCK, 5/8", MF #1 SQ TYPE, GALV STEE	6257505	1 EA	0.13 \$	0.13
WASHER, SQ, CURVED, 2.25"X2.25", 11/16" HO	6269104	2 EA	0.21 \$	0.42
WASHER, SQ, CURVED, 3"X3", 11/16" HOLE	6269203	154 EA	0.35 \$	54.54
WASHER, SQ, CURVED, 3"X3", 13/16" HOLE	6269302	56 EA	0.37 \$	20.90
WASHER, RND, FLAT, 1", 7/16" HOLE, 3/8" BOLT	6275002	50 EA	0.03 \$	1.50
WASHER, SPRING, 3/8", DOUBLE HELIX	6279509	52 EA	0.25 \$	12.98
WASHER, SPRING, 1/2", DOUBLE HELIX	6279608	53 EA	0.29 \$	15.29
WASHER, SPRING, 5/8", DOUBLE HELIX	6279707	275 EA	0.61 \$	166.55
WASHER, SPRING, 3/4", DOUBLE HELIX	6279806	112 EA	0.80 \$	89.59
WASHER, SQ, FLAT, 2"X2"X1/8", 9/16" HOLE	6280804	28 EA	0.09 \$	2.58
WASHER, SQ, FLAT, 2.25"X2.25"X3/16", 11/16	6280903	131 EA	0.12 \$	16.24
WASHER, SQ, FLAT, 2.25"X2.25"X3/16", 13/16	6281000	92 EA	0.14 \$	12.76
BRACE, XARM, FLAT STL, 28" L, 7/16" & 9/16	6307706	2 EA	2.56 \$	5.12
BRACKET, HANGER, XARM, CUTOUT, 3-3/4"X4-3/	6312607	1 EA	7.59 \$	7.59
MOUNT, XFMR, CLSTR, 3 UNIT, 10-100KVA, NORM	6344105	2 EA	115.73 \$	231.46
NUT, OVALEYE, 5/8", FORGED STL, HOT DIP GA	6434302	41 EA	1.34 \$	54.94
NUT, OVALEYE, 3/4", FORGED STL, HOT DIP GA	6434401	22 EA	1.46 \$	32.12
GAIN, POLE, 3" X 4", PLSTC, 3/4", BOLT HOLE	6437008	19 EA	1.69 \$	32.11
GAIN, POLE, 4" X 7", PLSTC, 1-1/16", BOLT HO	6437107	20 EA	3.26 \$	65.20
PIN, INSUL, POLE TOP, 20"L, 1"NYLON THD, 3H	6448104	3 EA	5.39 \$	16.17
PIN, INSUL, 5/8" X 6.5", 3" THREADED LENG	6448807	13 EA	3.29 \$	42.77
SCREW, LAG, 9/16"X4", STATIC PRF SQ WASHE	6459705	25 EA	2.39 \$	59.75
SCREW, LAG, 1/2" X 4-1/2", PILOT POINT	6459804	97 EA	0.42 \$	40.51
STAPLE, GRD, MOLDING, 1/2"X2", PVC MOLDING	6470603	64 EA	0.12 \$	7.70
PIN, THIMBLE ADPTR, 5/8" BOLT TO 1", STD C	6477400	1 EA	2.86 \$	2.86
ADAPTER, CND, STEEL TO PVC, 2", FEMALE	6602106	5 EA	1.02 \$	5.10
ADAPTER, CND, STEEL TO PVC, 3", FEMALE	6602205	5 EA	3.66 \$	18.30
ADAPTER, CND, STEEL TO PVC, 4", FEMALE	6602403	5 EA	2.05 \$	10.25
BELL END, PVC, 2", TYPE DB, FOR PVC CND	6605307	5 EA	4.31 \$	21.55
BELL END, PVC, 3", TYPE DB, FOR PVC CND	6605505	5 EA	3.63 \$	18.15
BELL END, PVC, 4", TYPE DB, FOR PVC CND	6605802	5 EA	5.23 \$	26.15
CAP, SERVICE ENTR, 1", PVC	6613509	3 EA	3.00 \$	9.00
CONDUIT, PVC, 1", SCH 40, 10'L, 1 BELL END	6617203	120 FT	0.21 \$	24.69
CONDUIT, PVC, 2", SCH 40, 10'L, 1 BELL END	6617401	150 FT	1.01 \$	151.50
CONDUIT, PVC, 3", SCH 40, 10'L, 1 BELL END	6617609	150 FT	1.22 \$	183.00
CONDUIT, PVC, 4", SCH 40, 10'L, 1 BELL END	6617807	150 FT	1.83 \$	274.50
ELBOW, CND, STL, 2", 90 DEGREE, 36" RADIUS	6638803	5 EA	30.88 \$	154.40

Exhibit A

ELBOW, CND, STL, 3", 90 DEGREE, 36" RADIUS	6639108	5 EA	60.82	\$	304.10
ELBOW, CND, STL, 4", 90 DEGREE, 36" RADIUS	6639504	5 EA	100.75	\$	503.75
STRAP, CND, 1", STEEL, FOR PVC CONDUIT	6677603	39 EA	0.15	\$	5.87
CABINET, SECTIONALIZING, 15KV, 3PH, MILD S	6700138	11 EA	602.49	\$	6,627.39
TERMINATOR, UG, COLD, 15KV, 2SOL, 175-220MI	6800288	53 EA	28.93	\$	1,533.29
SEAL, KIT, URD CABLE, 200 AMP	6800312	146 EA	7.03	\$	1,026.38
SLEEVE, UG, PRI, HEAT, 33"L, MIN0.85", MAX1.	6800321	22 EA	9.76	\$	214.72
SLEEVE, UG, PRI, HEAT, 40"L, MIN1.50", MAX3.	6800322	3 EA	23.68	\$	71.04
JCT, UG, LDBRK, 15KV, 200A, 4POS, ABOVE GRAD	6807358	33 EA	106.14	\$	3,502.62
CAP, UG, 200A, INSUL, 15KV, LOADBREAK	6813703	72 EA	19.71	\$	1,419.12
TERMINATOR, UG, COLD, 15KV, 4/0STR, 175-220	6843007	3 EA	36.38	\$	109.14
PREPARATION KIT, CBL, 1 STRIP 1"X48" EME	6877609	25 EA	3.31	\$	82.75
ELBOW, UG, 200A, 15KV, #2SOL, W/TEST PT, 175	6879001	140 EA	23.84	\$	3,337.60
ELBOW, UG, 200A, 15KV, 4/0STR, W/TEST PT, 17	6879605	6 EA	23.37	\$	140.22
GUARD, SNAP ON, EQUIPMENT BUSHING	7991244	18 EA	13.75	\$	247.50
COVER, JUMPER, 35 KV, SILICONE, 0.5" ID	7991284	120 FT	5.52	\$	662.40
COVER, JUMPER, 35 KV, SILICONE, 1.25" ID	7991311	90 FT	6.70	\$	603.00
IND, FAULT OH 12 AUTO W/REST 100A LED C	7991333	36 EA	156.08	\$	5,618.88
CONDUIT, FBRLSS, IPS STNDRD 6" 1 BELL E	7991921	180 FT	7.78	\$	1,400.40
COVER, CUTOUT, 15 KV-110BIL, 27 KV-125BIL	7992182	1 EA	29.76	\$	29.76
INSUL, GUY, FBRL, 36"X3/4", THIMBLE-THIMB	7992552	22 EA	14.90	\$	327.80
BELL END, FIBERGLASS, 6" IPS, .110" WALL	7992610	6 EA	15.37	\$	92.22
CLAMP, GROUND, 2&3" IPS STEEL PIPE	7992623	6 EA	19.96	\$	119.76
CLAMP, GROUND, 4" IPS STEEL PIPE	7992624	5 EA	24.21	\$	121.05
COUPLING, 5:, DOUBLE BELL, IPS 6"	7992659	6 EA	29.57	\$	177.42
PLUG, FOAM DONUT, 3"-6"	7992782	6 EA	10.00	\$	60.00
WIRE, JUMPER, #6SOLID, SOFT DRAWN, COVER	7992802	8 FT	0.10	\$	0.80
Material Contingencies		1 lot	0.00	\$	-
TOTAL ESTIMATED MATERIAL COST				\$	449,069

SALVAGE	STOCK NO.	QUANTITY	UNIT	UNIT COST	TOTAL COST
Miscellaneous Material		1 Lot		-1479.00	(\$1,479)
TOTAL ESTIMATED SALVAGE COST					(\$1,479)

LABOR & EQUIPMENT	ACCT.#	QUANTITY	UNIT	UNIT COST	TOTAL COST
Line Crew & Equipment		2,703.00	man/hr	\$ 112.61	\$ 304,391
		0.00	man/hr	\$ -	\$ -
Sub Total Construction Labor	0				
Total Estimated Labor Cost	84.5	DAYS			\$ 304,391

ENGINEERING	QUANTITY	UNIT	UNIT COST	TOTAL COST
Project Engineer	400	man/hrs.	\$118.00	\$47,200
Engineer	8.5	man/hrs.	\$100.00	\$850
Project Sponsor	0	man/hrs.	\$90.00	\$0
Estimator	200	man/hrs.	\$85.00	\$17,000
Designer	0	man/hrs.	\$78.00	\$0
Right of way designer	0	man/hrs.	\$78.00	\$0
Surveying Company Crews	0	crew/hrs	\$180.00	\$0
Contract Engineer	0	man/hrs.	\$75.00	\$0
Contract Inspector	1000	man/hrs.	\$40.00	\$40,000
Other Studies	0	man/hrs.	\$0.00	\$0

Exhibit A

Meals & Lodging	1 LOT	\$0.00	\$0
Other employee Expenses	1 LOT	\$4.00	\$4
Damages	1 Lot	\$0	\$0
Total Estimated Engineering Cost			<u>\$105,054</u>
Pacificorp Surcharge	11.25% of	858,514	\$96,583
AFUDC	0% of	\$955,097	\$0
Total Estimated Surcharge & AFUDC			\$96,583
Less Salvage			<u>(\$1,479)</u>
Total Estimated Cost	Work Order No.02995457	UNDERGROND	<u>\$953,618</u>

PACIFICORP

ROCKY MOUNTAIN POWER DISTRIBUTION DETAILED
ESTIMATE OF COST

Rocky Mountain Power File No.R2-47

Overhead

7-Sep-07

Work Order No.02995457

REMOVE AND INSTALL OVERHEAD FACILITIES FROM 2700 W TO 3690 W. THIS INCLUDES 52 WOOD POLES WITH ASSOCIATED HARDWARE AND CONDUCTOR.

MATERIAL	STOCK NO.	QUANTITY	UNIT	UNIT COST	TOTAL COST
CONN, STIRRUP, BLTD, 336-795AL/ACSR, 1/0SO	1003319	49 EA		22.62	1,108
CUTOUT, NON-LDBRK, 15KV, 200A, 110KVBil	1003370	3 EA		59.06	177
TIE, SPOOL, EZ-WRAP, 4/0AAC/ACSR/AAAC-250	1005081	23 EA		1.67	38
CAPACITOR, BANK, FXD, 12000Y&12470Y, 300KV	1005517	1 EA		1,652.47	1,652
SWITCH, UNITIZED, 3PH, 25KV, 600AMP, HOOK O	1007583	1 EA		2,291.43	2,291
CABLE, UG, 600V, 4/0, AL, 4PLX, WAKE FOREST	1040183	84 FT		1.68	141
CABLE, UG, 600V, 350, AL, 4PLX, SLIPPERY ROC	1040184	42 FT		3.34	140
CABLE, OVHD, 1/0, AL, 3PLX, MUREX	1050140	42 FT		0.47	20
CABLE, OVHD, 4/0, AL, 4PLX, OLDENBURG	1050180	52 FT		1.66	86
CABLE, UG, 600V, #4, CU, SINGLE	1100060	31 FT		0.26	8
CABLE, UG, 600V, 4/0, CU, SINGLE	1100079	62 FT		3.58	222
CABLE, UG, 600V, 350, CU, SINGLE	1100082	63 FT		4.66	294
CABLE, UG, 600V, 500, CU, SINGLE	1100085	187 FT		6.93	1,297
LUG, TERM, 2-HOLE, LEAD, 397/477/500AAC, CO	1300206	6 EA		3.32	20
CLAMP, WG, RGD BAIL, 4-1/0ACSR-2-2/0AAC	1300411	16 EA		1.44	23
CONN, STIRRUP, BLTD, 4-250AL/ACSR, 1/0SOL	1300812	13 EA		11.33	147
CLAMP, BLTD, DE, AL, 397.5 -795, SIDE OPENI	1300963	118 EA		15.99	1,887
CONN, SF, 250AAC, 4/0AAC/ACSR/CU-250AAC	1310124	24 EA		3.40	82
CONN, SF, 556/500/477AAC-397ACSR, #6 CU	1310125	5 EA		12.49	62
CONN, SF, 336 AAC, #6 CU	1310183	1 EA		5.40	5
CONN, SF, 4/0AAC/AAAC/ACSR-3/0ACSR, #6CU	1310190	33 EA		2.23	74
CONN, SF, 4/0AAC/AAAC/ACSR-3/0ACSR, 2ACS	1310199	11 EA		1.98	22
SPLICE, FULL TNSN, AUTO, 6SOL CU, CTR STOP	1340660	4 EA		3.03	12
BRACKET, MTG, 3PH, 72"L, 2"DIA, CUTOUTS &AR	1520218	14 EA		134.17	1,878
BRACKET, MTG, 1PH, 18" L, FOR CUTOUTS & AR	1520270	10 EA		26.67	267
CLIP, GROUND, #4 SOLID COPPER	1530298	753 EA		0.18	136
WIRE, GUY, 5/16", EHS, 11200LBS, 250' COIL	1540252	1025 FT		0.19	193
NUT, WASHER, 5/8", STD THD, RESISTANCE WEL	1570213	37 EA		1.04	38
POLE, WOOD, 35', FT, CLASS 3, DISTRIBUTION	1614353	2 EA		363.55	727
POLE, WOOD, 45 FT, CLASS 2, DISTRIBUTION	1614452	21 EA		630.62	13,243
POLE, WOOD, 45 FT, CLASS 4, DISTRIBUTION	1614454	11 EA		494.82	5,443
POLE, WOOD, 50 FT, CLASS 3, TRANSMISSION	1616503	1 EA		623.08	623
BRACKET, CONDUIT, EXTENSION ASSEMBLY, 12"	1700250	70 EA		17.45	1,222
CLAMP, CND, 3", BOLT MTG, W/BOLTS & NUTS	1705308	35 EA		2.69	94

Exhibit B

CLAMP, CND, 4", BOLT MTG, W/BOLTS & NUTS	1705407	40 EA	2.93	117
CLAMP, CND, 5", BOLT MTG, W/BOLTS & NUTS	1705506	5 EA	4.04	20
SPLICE, UG, 600V, 6-350, DBL SET SCREW, 4"	1740750	8 EA	5.08	41
PLATE, GROUNDING, CU, 288 SQ INCHES	1870270	25 EA	36.31	908
POLE, STL, 55 FT, WEATHERING, UNGUYED ANGL	3002210	11 EA	5,499.75	60,497
BRACE, XARM, FLATWOOD, 26"L, 38"SPRD, 18"DR	3103603	71 PAA	6.00	426
BRACE, XARM, HD, WOOD, 35"L, 60"SPRD, 18"DRO	3104106	4 PAA	12.73	51
BRACE, XARM, HD, WOOD, 42"L, 72"SPRD, 22"DRO	3104809	17 PAA	17.13	291
XARM, WOOD, 3-3/4" X 4-3/4" X 8'-0"	3108808	72 EA	26.92	1,938
XARM, WOOD, 5-3/4" X 5-3/4" X 8'-0"	3108816	4 EA	57.04	228
XARM, WOOD, 3-3/4" X 5-3/4" X 10'-0"	3108824	5 EA	40.01	200
XARM, WOOD, 5-3/4" X 7-1/2" X 10'-0"	3108832	12 EA	105.32	1,264
CUTOUT, NON-LDBRK, 15KV, 300A, 110KVBIL, UN	3510125	1 EA	58.91	59
BLADE, DISC, CUTOUT, 15KV, 95KV BIL, 300A	3510153	1 EA	22.16	22
CABLE, UG, 15KV, #2 AL, SOL, 175 MIL, 5000'	4200012	882 FT	1.20	1,058
XFMR, POLE, 10, 7.2, 120/240, NT, ARR	4410100	4 EA	539.50	2,158
XFMR, POLE, 25, 7.2, 120/240, NT, ARR	4410102	15 EA	793.44	11,902
XFMR, POLE, 50, 7.2, 120/240, NT, ARR	4500140	13 EA	1,112.43	14,462
XFMR, POLE, 75, 7.2, 120/240, NT, ARR	4500141	3 EA	1,405.66	4,217
XFMR, POLE, 100, 7.2, 120/240, NT, ARR	4500142	1 EA	1,726.49	1,726
WIRE, TIE, #4, AL, SOLID, SOFT DRAWN	4503405	585 FT	0.06	33
CONDUCTOR, AAC, 4/0, 7STR, OXLIP	4504908	5544 FT	0.22	1,231
CONDUCTOR, AAC, 477KCMIL, 19STR, COSMOS	4505077	16632 FT	0.59	9,873
CONDUCTOR, AAAC, #2, 7 STRAND, BARE, AMES	4506507	672 FT	0.10	66
CONDUCTOR, CU, #6, SOL, BARE, HARD DRAWN	4517900	420 FT	0.12	49
CONDUCTOR, WIRE, #6, SOFT DRAWN SOLID, BAR	4518007	2118 FT	0.10	203
CONDUCTOR, CU, #4, SOL, BARE, SOFT DRAWN	4518205	188 FT	0.15	29
CONDUCTOR, CU, 1/0, 7STR, BARE, SOFT DRAWN	4519005	25 FT	1.43	36
CONN, SF, 556/500/477AAC-397ACSR, 2AAAC	4601019	37 EA	12.59	466
CLAMP, HOTLINE, #8SOL-2/0STR, #8-2/0 CU	4601902	62 EA	5.80	360
CONN, H-TAP, 0.162-0.332, 0.162-0.332, COM	4626008	73 EA	0.27	20
CONN, H-TAP, 0.268-0.398, 0.162-0.332, COM	4626107	12 EA	0.21	3
CONN, H-TAP, 0.522-0.815, 0.162-0.447, COM	4627204	36 EA	1.23	44
CONN, C-TAP, CU, #6SOL-#4STR, #6SOL/STR, CO	4634903	65 EA	1.75	114
CONN, C-TAP, CU, #6SOL-#4STR, #4SOL/STR, CO	4635009	8 EA	1.62	13
CONN, C-TAP, CU, 1/0-2/0, #2STR-#8SOL, COMP	4635405	12 EA	2.15	26
CONN, SF, 4/0AAC/AAAC/ACSR-3/0ACSR	4644803	2 EA	2.05	4
CONN, SF, 556/500/477AAC-397ACSR, SAME	4645206	118 EA	12.76	1,506
CLAMP, DE, AUTO GRIP, #2 ACSR/AAAC	4662409	76 EA	7.28	553
CLAMP, DE, AUTO GRIP, 250 AAC & 4/0ACSR	4662805	26 EA	14.08	366
SPLICE, UG, PREMOLDED, 15KV, 4/0STR-4/0STR	4700134	3 EA	18.89	57
SPLICE, FULL TNSN, AUTO, #4AAAC & #4ACSR	4733705	4 EA	4.55	18
SPLICE, FULL TNSN, AUTO, 2AAAC/ACSR 6/1-7	4733804	10 EA	5.56	56
SPLICE, FULL TNSN, AUTO, 1/0AAAC & 1/0ACS	4733903	8 EA	6.15	49
SPLICE, UG, PREMOLDED, 15KV, 2SOL-2SOL, 175	4748075	9 EA	14.83	133
TIE, TOP, SGL SPRT, F-NECK, 397.5ACSR	4900296	51 EA	2.74	140
TIE, SIDE, SGL SPRT, F-NECK, 397.5ACSR, 477	4900486	22 EA	2.37	52
CARTRIDGE, SHELL FIRED, BLUE	4907101	71 EA	1.34	95
CARTRIDGE, SHELL FIRED, YELLOW	4907200	160 EA	1.36	218
TIE, CBL, 14.75"L, BUNDLING, BLACK NYLON, O	4954608	60 EA	0.17	10
NAIL, COPPERWELD, 10-D, IN 1 LB BOXES	5000202	1 LB	71.18	71
TAPE, WARNING, RED, ELEC LINE BURIED BELO	5480114	1 RL	0.95	1
ARRESTER, SRG, 10KV, OVHD, MOV	5500087	3 EA	22.72	68

Exhibit B

ARRESTER, SRG, 10KV, RISER POLE, MOV	5500138	12 EA	32.26	387
BRACKET, HANGER, XARM, ARRESTER, 6" BOLTS	5500201	3 EA	6.14	18
ARRESTER, SRG, 18KV, OVHD, MOV	5505607	3 EA	35.74	107
CUTOUT, NON-LDBRK, 15KV, 100A, 110KVBIL, UN	5608401	51 EA	53.87	2,747
FUSE, LINK, 23", 2 AMP, HIGH SURGE, UNIVERS	5729207	4 EA	3.52	14
FUSE, LINK, 23", 6T AMP, UNIVERSAL	5730304	15 EA	3.18	48
FUSE, LINK, 23", 10T AMP, UNIVERSAL	5730502	13 EA	3.29	43
FUSE, LINK, 23", 15T AMP, UNIVERSAL	5730700	3 EA	3.15	9
FUSE, LINK, 23", 20T AMP, UNIVERSAL	5730809	1 EA	2.92	3
INSUL, PIN, 15KV, F-NECK, ANSI CL 55-4, 1"P	5804406	139 EA	3.42	475
INSULATOR, SPOOL, PORC, GRAY, 3000LB	5825807	23 EA	1.06	24
INSUL, SUSP, POLY, 15/25KV, 17", 15000LBS	5840251	159 EA	12.54	1,994
ANCHOR, DISK, 20" DIA, 3/16" THICK, 296SQ	6100069	17 EA	38.08	647
CLAMP, GRD ROD, 5/8", CU CLAD GROUND	6113807	7 EA	1.54	11
CONN, GRD, BRZ, XFMR, #8 SOL-#2 STR	6117709	36 EA	1.83	66
FITTING, SIDEWALK GUY, 2", POLE END, GALV	6123898	5 EA	11.05	55
FITTING, SIDEWALK GUY, 2", GUY END, GALV	6123906	5 EA	12.82	64
GRIP, GUY, DE, 5/16", 7STR, EHS-UG, STL, BLAC	6126494	65 EA	1.54	100
GRIP, GUY, DE, 7/16", 7STR, UTILITY GRD, GRE	6126601	66 EA	2.63	174
GUY, DE, AUTO, STRANDWISE, 5/16" UG/AW, SB	6127807	17 EA	10.90	185
GUY, DE, AUTO, STRANDWISE, 7/16" UG/AW, SB	6128607	22 EA	20.50	451
MARKER, GUY, PLSTC, 8', YELLOW, 1/4"-1/2" G	6129704	26 EA	2.55	66
HOOKE, GUY, 2-HOLE, HEAVY DUTY, 2-3/4" BOLT	6131742	37 EA	4.18	155
MOLDING, GRD, 1/2" X 3/16" X 8', PLSTC, #6	6137806	4 EA	1.37	5
STRUT, SIDEWALK GUY, 2"X10', PIPE	6142305	5 EA	32.12	161
ROD, ANCHOR, 1"X7', DISK, CORROSION RESIST	6144523	17 EA	47.17	802
ROD, GRD, 5/8" X 8', COPPERWELD/BONDED CU	6146906	7 EA	8.38	59
WIRE, GUY, 7/16", UG, 18000LB, 250' COIL	6155402	1100 FT	0.32	347
PROTECTANT, POLE, CU NAPHTHENATE IN P9 O	6156145	1 PT	0.39	0
BOLT, MACHINE, 3/8" X 5", W/SQUARE NUT	6206700	144 EA	0.37	54
BOLT, MACH, 1/2" X 8", XARM, GALV	6208508	18 EA	0.56	10
BOLT, MACH, 1/2" X 10", XARM, GALV	6208706	24 EA	0.71	17
BOLT, MACH, 5/8" X 12", XARM, GALV	6211106	143 EA	1.00	143
BOLT, MACH, 5/8" X 14", XARM, GALV	6211205	48 EA	0.66	32
BOLT, MACH, 5/8" X 16", XARM, GALV	6211304	38 EA	1.70	65
BOLT, MACH, 3/4" X 12", XARM, GALV	6214209	20 EA	1.65	33
BOLT, MACH, 3/4" X 14", XARM, GALV	6214308	77 EA	1.79	138
BOLT, MACH, 3/4" X 16", XARM, GALV	6214407	3 EA	1.97	6
BOLT, DOUBLE ARM, 5/8" X 14", W/4 NUTS, GA	6221105	63 EA	1.56	98
BOLT, DOUBLE ARM, 5/8" X 16", W/4 NUTS, GA	6221204	1 EA	1.47	1
BOLT, DOUBLE ARM, 5/8" X 18", W/4 NUTS, GA	6221303	3 EA	1.61	5
BOLT, DOUBLE ARM, 5/8" X 22", W/4 NUTS, GA	6221501	76 EA	2.10	160
BOLT, DOUBLE ARM, 5/8" X 24", W/4 NUTS, GA	6221600	4 EA	2.29	9
BOLT, DOUBLE ARM, 3/4" X 14", W/4 NUTS, GA	6223101	7 EA	2.58	18
BOLT, DOUBLE ARM, 3/4" X 24", W/4 NUTS, GA	6223606	2 EA	3.65	7
BOLT, DOUBLE ARM, 3/4" X 26", W/4 NUTS, GA	6223705	12 EA	3.65	44
BOLT, DOUBLE ARM, 3/4" X 28", W/4 NUTS, GA	6223804	24 EA	4.82	116
BOLT ASSY, OVAL EYE, 5/8"X12", W/SQ NUT, G	6241806	37 EA	2.48	92
BOLT ASSY, HEX HEAD, 1/2"-13NC X 2"	6250302	12 EA	2.60	31
BOLT, DOUBLE UPSET, 5/8" X 12", ASSY, 1 NU	6253140	17 EA	3.85	65
NUT, LOCK, 5/8", MF #1 SQ TYPE, GALV STEE	6257505	1 EA	0.13	0
WASHER, SQ, CURVED, 3"X3", 11/16" HOLE	6269203	256 EA	0.35	91
WASHER, SQ, CURVED, 3"X3", 13/16" HOLE	6269302	114 EA	0.37	43

Exhibit B

WASHER, RND, FLAT, 1", 7/16" HOLE, 3/8" BOLT	6275002	144 EA	0.03	4
WASHER, TREATED, 3 "X3", "PATOK II", XBRACI	6277505	1 BAG	1.51	2
WASHER, SPRING, 3/8", DOUBLE HELIX	6279509	152 EA	0.25	38
WASHER, SPRING, 1/2", DOUBLE HELIX	6279608	114 EA	0.29	33
WASHER, SPRING, 5/8", DOUBLE HELIX	6279707	673 EA	0.61	407
WASHER, SPRING, 3/4", DOUBLE HELIX	6279806	197 EA	0.80	158
WASHER, SQ, FLAT, 2 "X2" X1/8", 9/16" HOLE	6280804	42 EA	0.09	4
WASHER, SQ, FLAT, 2.25 "X2.25" X3/16", 11/16	6280903	430 EA	0.12	53
WASHER, SQ, FLAT, 2.25 "X2.25" X3/16", 13/16	6281000	133 EA	0.14	18
BRACE, XARM, FLAT STL, 28" L, 7/16" & 9/16	6307706	2 EA	2.56	5
BRACKET, HANGER, XARM, CUTOUT, 3-3/4 "X4-3/	6312607	4 EA	7.59	30
BRACKET, MULT GUY ASSY, W/GUY HOOKS	6315535	1 EA	61.97	62
MOUNT, XFMR, CLSTR, 3 UNIT, 10-100KVA, NORM	6344105	9 EA	115.73	1,042
CLAMP, BLTD, DE, AL, #4 - 1/0, SIDE OPENING	6417505	3 EA	6.03	18
CLEVIS, INSUL, SEC, FOR CLASS 53-2	6422604	6 EA	2.77	17
NUT, OVALEYE, 5/8", FORGED STL, HOT DIP GA	6434302	174 EA	1.34	233
NUT, OVALEYE, 3/4", FORGED STL, HOT DIP GA	6434401	28 EA	1.46	41
NUT, THIMBLE EYE, 3/4", FORGED STEEL	6434807	7 EA	1.72	12
GAIN, POLE, 3" X 4", PLSTC, 3/4", BOLT HOLE	6437008	72 EA	1.69	122
GAIN, POLE, 4" X7", PLSTC, 1-1/16", BOLT HO	6437107	21 EA	3.26	68
PIN, INSUL, POLE TOP, 20"L, 1" NYLON THD, 3H	6448104	23 EA	5.39	124
PIN, INSUL, 5/8" X 6.5", 3" THREADED LENG	6448807	93 EA	3.29	306
PIN, INSUL, 3/4" X 9", 3" THREADED LENGTH	6449708	6 EA	6.05	36
PIN, INSUL, 5/8" X7.5", 3-5/8" NYLON ALLOYT	6449807	16 EA	4.12	66
SCREW, LAG, 9/16" X4", STATIC PRF SQ WASHE	6459705	72 EA	2.39	172
SCREW, LAG, 1/2" X 4-1/2", PILOT POINT	6459804	93 EA	0.42	39
STAPLE, GRD, MOLDING, 1/2" X2", PVC MOLDING	6470603	20 EA	0.12	2
PIN, THIMBLE ADPTR, 5/8" BOLT TO 1", STD C	6477400	1 EA	2.86	3
ADAPTER, CND, STEEL TO PVC, 3", FEMALE	6602205	7 EA	3.66	26
ADAPTER, CND, STEEL TO PVC, 4", FEMALE	6602403	8 EA	2.05	16
BELL END, PVC, 3", TYPE DB, FOR PVC CND	6605505	7 EA	3.63	25
BELL END, PVC, 4", TYPE DB, FOR PVC CND	6605802	8 EA	5.23	42
BELL END, PVC, 5", TYPE DB, FOR PVC CND	6605901	1 EA	6.18	6
CONDUIT, PVC, 3", SCH 40, 10'L, 1 BELL END	6617609	210 FT	1.22	256
CONDUIT, PVC, 4", SCH 40, 10'L, 1 BELL END	6617807	240 FT	1.83	439
CONDUIT, PVC, 5", SCH 40, 10'L, 1 BELL END	6617906	30 FT	2.98	89
ELBOW, CND, STL, 3", 90 DEGREE, 36" RADIUS	6639108	7 EA	60.82	426
ELBOW, CND, STL, 4", 90 DEGREE, 36" RADIUS	6639504	8 EA	100.75	806
TERMINATOR, UG, COLD, 15KV, 2SOL, 175-220MI	6800288	9 EA	28.93	260
SLEEVE, UG, PRI, HEAT, 33"L, MIN 0.85", MAX 1.	6800321	12 EA	9.76	117
TERMINATOR, UG, COLD, 15KV, 4/0STR, 175-220	6843007	3 EA	36.38	109
PREPARATION KIT, CBL, 1 STRIP 1" X48" EME	6877609	12 EA	3.31	40
COVER, CUTOUT, 15 KV-110BIL, 27 KV-125BIL	7992182	3 EA	29.76	89
INSUL, GUY, FBRGL, 36" X5/8", THIMBLE-THIMB	7992551	24 EA	12.78	307
INSUL, GUY, FBRGL, 36" X3/4", THIMBLE-THIMB	7992552	22 EA	14.90	328
CLAMP, GROUND, 4" IPS STEEL PIPE	7992624	3 EA	24.21	73
WIRE, JUMPER, #4SOLID, SOFT DRAWN, COVER	7992803	24 FT	0.20	5
Material Contingencies		1 lot	9.00	\$ 9.00
TOTAL ESTIMATED MATERIAL COST			\$	168,299

Exhibit B

SALVAGE	STOCK NO.	QUANTITY	UNIT	UNIT COST	TOTAL COST
Miscellaneous Material		1	Lot	-1335.00	(\$1,335)
TOTAL ESTIMATED SALVAGE COST					(\$1,335)

LABOR & EQUIPMENT	ACCT.#	QUANTITY	UNIT	UNIT COST	TOTAL COST
Utah Power Line Crew		2,066.53	man/hr	\$ 112.61	\$ 232,712
		0.00	man/hr	\$ -	\$ -
Sub Total Construction Labor	0				
Total Estimated Labor Cost	64.6	DAYS			\$ 232,712

ENGINEERING		QUANTITY	UNIT	UNIT COST	TOTAL COST
Engineering		0%		\$ 232,712	\$0
Project Engineer		195	man/hrs.	\$118.00	\$23,010
Engineer		0	man/hrs.	\$100.00	\$0
Project Sponsor		0	man/hrs.	\$90.00	\$0
Estimator		100	man/hrs.	\$85.00	\$8,500
Designer		0	man/hrs.	\$78.00	\$0
Right of way designer		0	man/hrs.	\$78.00	\$0
Surveying Company Crews		0	crew/hrs.	\$180.00	\$0
Contract Engineer		0	man/hrs.	\$75.00	\$0
Contract Inspector		514	man/hrs.	\$40.00	\$20,560
Damages	0	1	Lot	\$0	\$0
Total Estimated Engineering Cost					\$52,070

Pacificorp Surcharge	11.25%	of	453,081	\$50,972
AFUDC	0%	of	\$504,052	\$0
Total Estimated Surcharge & AFUDC				\$50,972
Less Salvage				(\$1,335)
Total Estimated Cost	Work Order No.02995457			\$502,717

Utah Department of Transportation	
Estimated Cost	\$ 251,359

Exhibit C

SUMMARY OF COST			
3500 South in West Valley City			
ROCKY MOUNTAIN POWER WORK ORDERS 2995457			
		ESTIMATED COST	PARTICIPATION RATIO
Exhibit A	Total Estimated Betterment Cost to Accommodate West Valley City	\$ 953,618	
Exhibit B	Total Estimated Minimum Cost Shared at 50%	\$ 502,717	
	Total Estimated Cost to Accommodate West Valley City	\$ 450,901	
ROCKY MOUNTAIN POWER			
		\$ 251,359	26.36%
UDOT		\$ 251,359	26.36%
	74.02%		
West Valley CITY		\$ 450,901	47.28%
	Total Estimated Cost	\$ 953,618	100%